```
     (FILE 'HOME' ENTERED AT 16:49:50 ON 29 NOV 2006)

     FILE 'REGISTRY' ENTERED AT 16:49:57 ON 29 NOV 2006
L1             1 S INOSINE/CN
L2             2 S ARGININE /CN
                 EXP ARGININE INOSINATE/CN
                 EXP INOSINE ARGINATE/CN

     FILE 'CAPLUS' ENTERED AT 16:50:56 ON 29 NOV 2006
L3           227 S L1 AND L2
L4           173 S L3 NOT PY>2001
L5             0 S L4 AND AMORPHOUS
L6             0 S L4 AND SOLUBILITY
L7             0 S L4 AND EQUIMOLAR
L8             0 S L3 AND AMORPHOUS

     FILE 'USPATFULL' ENTERED AT 16:52:53 ON 29 NOV 2006
L9            18 S L1 AND L2
L10            1 S L9 AND AMORPHOUS
L11            8 S L9 AND SOLUBILITY
L12            1 S L9 AND EQUIMOLAR

     FILE 'PCTFULL' ENTERED AT 16:54:33 ON 29 NOV 2006
L13         4971 S INOSINE AND ARGININE
L14          190 S L13 AND AMORPHOUS
L15           65 S L14 NOT PY>2002

     FILE 'CAPLUS' ENTERED AT 16:55:37 ON 29 NOV 2006

     INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE,
     AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS,
     CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB,
     DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 16:56:08 ON 29 NOV 2006
                 SEA INOSINE AND ARGININE AND AMORPHOUS
               ---------
                 1   FILE CAPLUS
                 1   FILE IFIPAT
                 1   FILE TOXCENTER
               293   FILE USPATFULL
                37   FILE USPAT2
                 3   FILE WPIDS
                 3   FILE WPINDEX
L16              QUE INOSINE AND ARGININE AND AMORPHOUS
                 ---------
                 SEA INOSINE AND ARGININE AND SOLUBILITY
                 ---------
                 2   FILE BIOSIS
                 1   FILE BIOTECHABS
                 1   FILE BIOTECHDS
                 2   FILE CAPLUS
                 1   FILE FSTA
                 2   FILE IFIPAT
                 1   FILE PROMT
              5206   FILE USPATFULL
               511   FILE USPAT2
                 4   FILE WPIDS
                 4   FILE WPINDEX
L17              QUE INOSINE AND ARGININE AND SOLUBILITY
                 ---------

     FILE 'BIOSIS' ENTERED AT 16:58:35 ON 29 NOV 2006
L18            2 S INOSINE AND ARGININE AND SOLUBILITY
L19            0 S INOSINE AND ARGININE AND EQUIMOLAR
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     FILE 'CAPLUS' ENTERED AT 17:00:17 ON 29 NOV 2006
L20           5 S L4 AND COMPLEX

     FILE 'USPATFULL' ENTERED AT 17:02:49 ON 29 NOV 2006
                SEL L10 RN

     FILE 'REGISTRY' ENTERED AT 17:03:06 ON 29 NOV 2006
L21           3 S E1-E3

     FILE 'CAPLUS' ENTERED AT 17:03:36 ON 29 NOV 2006

     FILE 'REGISTRY' ENTERED AT 17:03:46 ON 29 NOV 2006
                SEL L21 1

     FILE 'CAPLUS' ENTERED AT 17:04:02 ON 29 NOV 2006
L22           1 S E4

     FILE 'USPATFULL' ENTERED AT 17:04:27 ON 29 NOV 2006
L23           0 S E4
```

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=> file registry
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         0.21       0.21

FILE 'REGISTRY' ENTERED AT 16:49:57 ON 29 NOV 2006
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:   27 NOV 2006  HIGHEST RN 914071-04-8
DICTIONARY FILE UPDATES:  27 NOV 2006  HIGHEST RN 914071-04-8

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

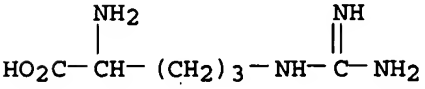
http://www.cas.org/ONLINE/UG/regprops.html

=> s inosine/cn
L1            1 INOSINE/CN

=> s arginine /cn
L2            2 ARGININE /CN

=> d l2 1-2

L2   ANSWER 1 OF 2  REGISTRY  COPYRIGHT 2006 ACS on STN
RN   7200-25-1  REGISTRY
ED   Entered STN:  16 Nov 1984
CN   Arginine (9CI)  (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN   Arginine, DL- (8CI)
CN   DL-Arginine
OTHER NAMES:
CN   (±)-Arginine
MF   C6 H14 N4 O2
CI   COM
LC   STN Files:   ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOSIS, CA, CAPLUS,
       CASREACT, CHEMCATS, CHEMLIST, CIN, CSCHEM, DETHERM*, GMELIN*, HSDB*,
       IFICDB, IFIPAT, IFIUDB, NAPRALERT, PIRA, PROMT, TOXCENTER, TULSA,
       USPAT2, USPATFULL
         (*File contains numerically searchable property data)
     Other Sources:   EINECS**, NDSL**, TSCA**
         (**Enter CHEMLIST File for up-to-date regulatory information)
```

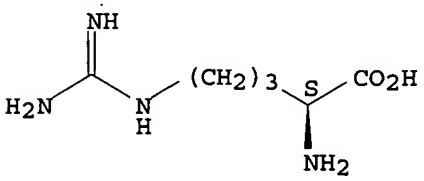


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

365 REFERENCES IN FILE CA (1907 TO DATE)
18 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
367 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2006 ACS on STN
RN 74-79-3 REGISTRY
ED Entered STN: 16 Nov 1984
CN L-Arginine (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Arginine, L- (8CI)
OTHER NAMES:
CN (S)-2-Amino-5-[(aminoiminomethyl)amino]pentanoic acid
CN Arginine
CN L-(+)-Arginine
CN L-α-Amino-δ-guanidinovaleric acid
CN L-Arg
CN L-Norvaline, 5-[(aminoiminomethyl)amino]-
CN L-Ornithine, N5-(aminoiminomethyl)-
CN NSC 206269
CN Pentanoic acid, 2-amino-5-[(aminoiminomethyl)amino]-, (S)-
FS STEREOSEARCH
DR 667422-95-9, 7004-12-8, 142-49-4
MF C6 H14 N4 O2
CI COM
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOSIS, BIOTECHNO, CA, CABA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DRUGU, EMBASE, GMELIN*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, PATDPASPC, PHAR, PIRA, PROMT, PS, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, TULSA, USAN, USPAT2, USPATFULL, VETU
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**, WHO
(**Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

45277 REFERENCES IN FILE CA (1907 TO DATE)
1307 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
45378 REFERENCES IN FILE CAPLUS (1907 TO DATE)
6 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> exp arginine inosinate/cn
E1 1 ARGININE HYDROXAMATE/CN
E2 1 ARGININE HYDROXAMATE RESISTANCE PROTEIN (CORYNEBACTERIUM GLUTAMICUM STRAIN ATCC_13032 CLONE RXA02159)/CN
E3 0 --> ARGININE INOSINATE/CN
E4 1 ARGININE KINASE/CN

```
E5            1     ARGININE KINASE (APIS MELLIFERA GENE ARGK ISOENZYME C REDUCE
                    D)/CN
E6            1     ARGININE KINASE (BACILLUS CEREUS STRAIN ATCC 14579 GENE BC01
                    01)/CN
E7            1     ARGININE KINASE (BATILLUS CORNUTUS)/CN
E8            1     ARGININE KINASE (CALLINECTES SAPIDUS GILL)/CN
E9            1     ARGININE KINASE (CARCINUS MAENAS GILL GENE AK)/CN
E10           1     ARGININE KINASE (CHLAMYDIA PNEUMONIAE GENE KARG)/CN
E11           1     ARGININE KINASE (CHLAMYDIA PNEUMONIAE STRAIN J138 GENE KARG)
                    /CN
E12           1     ARGININE KINASE (CHLAMYDIA TRACHOMATIS STRAIN A/HAR-13 GENE
                    KARG)/CN

=> exp inosine arginate/cn
E1            1     INOSINE 5-MONOPHOSPHATE DEHYDROGENASE (CANDIDA ALBICANS STRA
                    IN 1006 GENE IMH3 ALLELE IMH3R)/CN
E2            1     INOSINE ACEDOBENE DIMEPRANOL/CN
E3            0 --> INOSINE ARGINATE/CN
E4            1     INOSINE CALCIUM SALT (2:1) DIHYDRATE/CN
E5            1     INOSINE CALCIUM SALT (3:1) TRIHYDRATE/CN
E6            1     INOSINE CALCIUM SALT (4:1) NONAHYDRATE/CN
E7            1     INOSINE CYCLIC 2',3'-MONOPHOSPHATE/CN
E8            1     INOSINE CYCLIC 3',5'-MONOPHOSPHATE MONOHYDRATE/CN
E9            1     INOSINE CYCLOPHOSPHATE/CN
E10           1     INOSINE DIALDEHYDE/CN
E11           1     INOSINE DIPHOSPHATASE/CN
E12           1     INOSINE DIPHOSPHATE/CN

=> file caplus
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                   ENTRY    SESSION
FULL ESTIMATED COST                               14.20      14.41

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FILE COVERS 1907 - 29 Nov 2006  VOL 145 ISS 23
FILE LAST UPDATED: 27 Nov 2006  (20061127/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/infopolicy.html

=> s l1 and l2
          6156 L1
         45575 L2
L3         227 L1 AND L2

=> s l3 not py>2001
       5600048 PY>2001
```

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L4          173 L3 NOT PY>2001

=> s l4 and amorphous
        260593 AMORPHOUS
L5           0 L4 AND AMORPHOUS

=> s l4 and solubility
         67126 SOLUBILITY
L6           0 L4 AND SOLUBILITY

=> s l4 and equimolar
         37971 EQUIMOLAR
L7           0 L4 AND EQUIMOLAR

=> s l3 and amorphous
        260593 AMORPHOUS
L8           0 L3 AND AMORPHOUS

=> file uspatfull
COST IN U.S. DOLLARS                                  SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                      11.13      25.54

FILE 'USPATFULL' ENTERED AT 16:52:53 ON 29 NOV 2006
CA INDEXING COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 28 Nov 2006 (20061128/PD)
FILE LAST UPDATED: 28 Nov 2006 (20061128/ED)
HIGHEST GRANTED PATENT NUMBER: US7143445
HIGHEST APPLICATION PUBLICATION NUMBER: US2006265800
CA INDEXING IS CURRENT THROUGH 28 Nov 2006 (20061128/UPCA)
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 28 Nov 2006 (20061128/PD)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Jun 2006
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Jun 2006


=> s l1 nad l2
MISSING OPERATOR L1 NAD
The search profile that was entered contains terms or
nested terms that are not separated by a logical operator.

=> s l1 and l2
           416 L1
          3060 L2
L9           18 L1 AND L2

=> s l9 and amorphous
        160990 AMORPHOUS
L10           1 L9 AND AMORPHOUS

=> d l10 ti abs bib

L10  ANSWER 1 OF 1  USPATFULL on STN
TI     Inosine L-Arginine salt and uses thereof
AB     The present invention discloses an inosine. L-arginine salt,
       compositions containing the salt, and methods of using the salt and said
       compositions for cell activation and/or plant growth promotion. The salt
       can be stored and transported as a solid and dissolves quickly and
       efficiently when needed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN     2004:247954  USPATFULL <<LOGINID::20061129>>
TI     Inosine L-Arginine salt and uses thereof
IN     Kurauchi, Masahiko, Kanagawa, JAPAN
```

Miyazawa, Yuki, Kanagawa, JAPAN
Sato, Hiroyuki, Kanagawa, JAPAN
PI US 2004192553 A1 20040930
AI US 2004-808536 A1 20040325 (10)
RLI Continuation of Ser. No. WO 2002-JP9184, filed on 10 Sep 2002, UNKNOWN
PRAI JP 2001-297011 20010927
DT Utility
FS APPLICATION
LREP AJINOMOTO CORPORATE SERVICES, LLC, INTELLECTUAL PROPERTY DEPARTMENT, 1120 CONNECTICUT AVE., N.W., WASHINGTON, DC, 20036
CLMN Number of Claims: 14
ECL Exemplary Claim: 1
DRWN 4 Drawing Page(s)
LN.CNT 368
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> s l9 and solubility
214860 SOLUBILITY
L11 8 L9 AND SOLUBILITY

=> d l11 1-8 ti

L11 ANSWER 1 OF 8 USPATFULL on STN
TI Method for producing a controlled release preparation

L11 ANSWER 2 OF 8 USPATFULL on STN
TI Comparative phenotype analysis of cells including testing of biologically active chemicals

L11 ANSWER 3 OF 8 USPATFULL on STN
TI Ion-pair delivery system for cosmetic and pharmaceutical compositions

L11 ANSWER 4 OF 8 USPATFULL on STN
TI Inosine L-Arginine salt and uses thereof

L11 ANSWER 5 OF 8 USPATFULL on STN
TI Comparative phenotype analysis for assessment of biological active compounds such as antimicrobials

L11 ANSWER 6 OF 8 USPATFULL on STN
TI Comparative phenotype analysis of cells, including testing of biologically active compounds

L11 ANSWER 7 OF 8 USPATFULL on STN
TI Comparative phenotype analysis for assessment of biologically active compounds such as antimicrobials

L11 ANSWER 8 OF 8 USPATFULL on STN
TI Method for producing a controlled-release preparation

=> d l11 1 3 4 8 ti abs bib

L11 ANSWER 1 OF 8 USPATFULL on STN
TI Method for producing a controlled release preparation
AB The invention concerns a method for producing a controlled-release pharmaceutical preparation with a particle-containing coating, the coating being derived from an aqueous dispersion of a film-forming water insoluble polymer and a water soluble pore-forming agent. By suspending, instead of dissolving the pore-forming agent, the resulting coating will contain particles of pore-formers with a predetermined size that creates, when disintegrated or dissolved in the body fluid, canals or a network of pores through the polymer film. Due to this network, the film

will get a good mechanical stability and are left intact after the release of the drug

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 2006:188320 USPATFULL <<LOGINID::20061129>>
TI Method for producing a controlled release preparation
IN Kendrup, John, Oxie, SWEDEN
Fyhr, Peter, Bjarred, SWEDEN
PI US 2006159755 A1 20060720
AI US 2005-255073 A1 20051019 (11)
RLI Continuation of Ser. No. US 2001-819813, filed on 29 Mar 2001, GRANTED, Pat. No. US 6974591
PRAI SE 2000-1151 20000331
DT Utility
FS APPLICATION
LREP THORPE NORTH & WESTERN, P.O. BOX 1219, SANDY, UT, 84091-1219, US
CLMN Number of Claims: 7
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 390
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 3 OF 8 USPATFULL on STN
TI Ion-pair delivery system for cosmetic and pharmaceutical compositions
AB This invention relates to a novel ion-pair delivery system useful for cosmetic, pharmaceutical, and topical nutraceutical applications in which the functional performance and consumer aesthetics of an electron donor composition and an electron acceptor composition, or a proton donor composition and a proton acceptor composition, are synergistically enhanced when such compositions are combined in an ion-pair mode. During ion-pair bonding process, the electron donor composition or the proton acceptor composition become positively charged and the electron acceptor composition or proton donor composition become negatively charged and thus bind together in an ionic manner. Such ion-pair compositions release their electronically bound components in their original state when such compositions are absorbed into skin and reach physiological pH conditions.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 2004:291803 USPATFULL <<LOGINID::20061129>>
TI Ion-pair delivery system for cosmetic and pharmaceutical compositions
IN Gupta, Shyam K., Scottsdale, AZ, UNITED STATES
PI US 2004228884 A1 20041118
AI US 2003-439349 A1 20030515 (10)
DT Utility
FS APPLICATION
LREP SHYAM K. GUPTA, BIODERM RESEARCH, 5221 E. WINDROSE DRIVE, SCOTTSDALE, AZ, 85254
CLMN Number of Claims: 20
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 705
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11 ANSWER 4 OF 8 USPATFULL on STN
TI Inosine L-Arginine salt and uses thereof
AB The present invention discloses an inosine. L-arginine salt, compositions containing the salt, and methods of using the salt and said compositions for cell activation and/or plant growth promotion. The salt can be stored and transported as a solid and dissolves quickly and efficiently when needed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 2004:247954 USPATFULL <<LOGINID::20061129>>

```
TI     Inosine L-Arginine salt and uses thereof
IN     Kurauchi, Masahiko, Kanagawa, JAPAN
       Miyazawa, Yuki, Kanagawa, JAPAN
       Sato, Hiroyuki, Kanagawa, JAPAN
PI     US 2004192553        A1  20040930
AI     US 2004-808536       A1  20040325 (10)
RLI    Continuation of Ser. No. WO 2002-JP9184, filed on 10 Sep 2002, UNKNOWN
PRAI   JP 2001-297011       20010927
DT     Utility
FS     APPLICATION
LREP   AJINOMOTO CORPORATE SERVICES, LLC, INTELLECTUAL PROPERTY DEPARTMENT,
       1120 CONNECTICUT AVE., N.W., WASHINGTON, DC, 20036
CLMN   Number of Claims: 14
ECL    Exemplary Claim: 1
DRWN   4 Drawing Page(s)
LN.CNT 368
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L11  ANSWER 8 OF 8  USPATFULL on STN
TI     Method for producing a controlled-release preparation
AB     The invention concerns a method for producing a controlled-release
       pharmaceutical preparation with a particle-containing coating, the
       coating being derived from an aqueous dispersion of a film-forming water
       insoluble polymer and a water soluble pore-forming agent. By suspending,
       instead of dissolving the pore-forming agent, the resulting coating will
       contain particles of the pore-formers with a predetermined size that
       creates, when disintegrated or dissolved in the body fluid, canals or a
       network of pores through the polymer film. Due to this network, the film
       will get a good mechanical stability and are left intact after the
       release of the drug.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN     2001:199753  USPATFULL <<LOGINID::20061129>>
TI     Method for producing a controlled-release preparation
IN     Kendrup, John, Oxie, Sweden
       Fyhr, Peter, Bjarred, Sweden
PI     US 2001038853        A1  20011108
       US 6974591           B2  20051213
AI     US 2001-819813       A1  20010329 (9)
PRAI   SE 2000-1151         20000331
DT     Utility
FS     APPLICATION
LREP   Benton S. Duffett, Jr., BURNS, DOANE, SWECKER & MATHIS, L.L.P., P.O. Box
       1404, Alexandria, VA, 22313-1404
CLMN   Number of Claims: 22
ECL    Exemplary Claim: 1
DRWN   No Drawings
LN.CNT 480
CAS INDEXING IS AVAILABLE FOR THIS PATENT.


=> s l9 and equimolar
         51940 EQUIMOLAR
L12          1 L9 AND EQUIMOLAR

=> d l12 ti

L12  ANSWER 1 OF 1  USPATFULL on STN
TI     Inosine L-Arginine salt and uses thereof


=> file pctfull
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                 ENTRY    SESSION
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FULL ESTIMATED COST                                    14.35      39.89

FILE 'PCTFULL' ENTERED AT 16:54:33 ON 29 NOV 2006
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FILE LAST UPDATED:         27 NOV 2006      <20061127/UP>
MOST RECENT UPDATE WEEK:       200647        <200647/EW>
FILE COVERS 1978 TO DATE

>>> IMAGES ARE AVAILABLE ONLINE AND FOR EMAIL-PRINTS <<<

>>> NEW IPC8 DATA AND FUNCTIONALITY NOW AVAILABLE IN THIS FILE.
    SEE
    http://www.stn-international.de/stndatabases/details/ipc-reform.html >>>

>>> FOR CHANGES IN PCTFULL PLEASE SEE HELP CHANGE
    (last updated April 10, 2006) <<<

=> s inosine and arginine
          9661 INOSINE
         39221 ARGININE
L13       4971 INOSINE AND ARGININE

=> s l13 and amorphous
         39465 AMORPHOUS
L14        190 L13 AND AMORPHOUS

=> s l14 not py>2002
        472973 PY>2002
L15          65 L14 NOT PY>2002

=> d l15 1-15 ti

L15    ANSWER 1 OF 65    PCTFULL   COPYRIGHT 2006 Univentio on STN
TIEN   HUMAN SECRETED PROTEINS
TIFR   PROTEINES SECRETEES HUMAINES

L15    ANSWER 2 OF 65    PCTFULL   COPYRIGHT 2006 Univentio on STN
TIEN   HUMAN SECRETED PROTEINS
TIFR   PROTEINES SECRETEES PAR LES HUMAINS

L15    ANSWER 3 OF 65    PCTFULL   COPYRIGHT 2006 Univentio on STN
TIEN   20 HUMAN SECRETED PROTEINS
TIFR   20 PROTEINES HUMAINES SECRETEES

L15    ANSWER 4 OF 65    PCTFULL   COPYRIGHT 2006 Univentio on STN
TIEN   HUMAN SECRETED PROTEINS
TIFR   PROTEINES SECRETEES HUMAINES

L15    ANSWER 5 OF 65    PCTFULL   COPYRIGHT 2006 Univentio on STN
TIEN   METHOD FOR IN SITU, ON-CHIP CHEMICAL SYNTHESIS
TIFR   METHODE DE SYNTHESE CHIMIQUE IN SITU SUR LA PUCE

L15    ANSWER 6 OF 65    PCTFULL   COPYRIGHT 2006 Univentio on STN
TIEN   HUMAN SECRETED PROTEINS
TIFR   PROTEINES SECRETEES PAR LES HUMAINS

L15    ANSWER 7 OF 65    PCTFULL   COPYRIGHT 2006 Univentio on STN
TIEN   HEPARIN/HEPAROSAN SYNTHASE AND METHODS OF MAKING AND USING SAME
TIFR   HEPARINE/HEPAROSAN SYNTHASES ET PROCEDES DE FABRICATION CORRESPONDANT

L15    ANSWER 8 OF 65    PCTFULL   COPYRIGHT 2006 Univentio on STN
TIEN   DIFFERENTIALLY-EXPRESSED AND UP-REGULATED POLYNUCLEOTIDES AND
       POLYPEPTIDES IN BREAST CANCER
```

TIFR POLYNUCLEOTIDES ET POLYPEPTIDES A EXPRESSION DIFFERENTIELLE ET REGULATION POSITIVE UTILISES CONTRE LE CANCER DU SEIN

L15 ANSWER 9 OF 65 PCTFULL COPYRIGHT 2006 Univentio on STN
TIEN HUMAN SECRETED PROTEINS
TIFR PROTEINES SECRETEES HUMAINES

L15 ANSWER 10 OF 65 PCTFULL COPYRIGHT 2006 Univentio on STN
TIEN HUMAN SECRETED PROTEINS
TIFR PROTEINES SECRETEES PAR L'ETRE HUMAIN

L15 ANSWER 11 OF 65 PCTFULL COPYRIGHT 2006 Univentio on STN
TIEN EXPRESSION PROFILES AND METHODS OF USE
TIFR PROFILS D'EXPRESSION ET METHODES D'UTILISATION

L15 ANSWER 12 OF 65 PCTFULL COPYRIGHT 2006 Univentio on STN
TIEN T-CELL POLYNUCLEOTIDES AND POLYPEPTIDES
TIFR POLYNUCLEOTIDES ET POLYPEPTIDES DE LYMPHOCYTES T

L15 ANSWER 13 OF 65 PCTFULL COPYRIGHT 2006 Univentio on STN
TIEN NUCLEIC ACIDS, PROTEINS, AND ANTIBODIES
TIFR ACIDES NUCLEIQUES, PROTEINES ET ANTICORPS

L15 ANSWER 14 OF 65 PCTFULL COPYRIGHT 2006 Univentio on STN
TIEN 70 HUMAN SECRETED PROTEINS
TIFR 70 PROTEINES HUMAINES SECRETEES

L15 ANSWER 15 OF 65 PCTFULL COPYRIGHT 2006 Univentio on STN
TIEN CYTOKINE RECEPTOR COMMON GAMMA CHAIN LIKE
TIFR ANALOGUE DE CHAINE GAMMA COMMUNE DE RECEPTEURS DE CYTOKINE

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	3.02	42.91

FILE 'CAPLUS' ENTERED AT 16:55:37 ON 29 NOV 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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FILE COVERS 1907 - 29 Nov 2006 VOL 145 ISS 23
FILE LAST UPDATED: 27 Nov 2006 (20061127/ED)

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http://www.cas.org/infopolicy.html

=> d l4 1-20 ti

L4 ANSWER 1 OF 173 CAPLUS COPYRIGHT 2006 ACS on STN

TI Quality properties of seasoned-dried Pacific saury treated with liquid smoke during storage. Part 3. Changes in fatty acid and taste compounds of seasoned-dried Pacific saury treated with liquid smoke during storage

L4 ANSWER 2 OF 173 CAPLUS COPYRIGHT 2006 ACS on STN
TI Changes of components in salt-fermented big eyed herring, Harengula zunasi sauce during fermentation

L4 ANSWER 3 OF 173 CAPLUS COPYRIGHT 2006 ACS on STN
TI Extractive nitrogenous constituents of dried laver, Porphyra dentata

L4 ANSWER 4 OF 173 CAPLUS COPYRIGHT 2006 ACS on STN
TI Extractive nitrogenous constituents of dried laver, Porphyra yezoensis

L4 ANSWER 5 OF 173 CAPLUS COPYRIGHT 2006 ACS on STN
TI Positive selection of transformants by auxotroph complementation with enzymatic precursor conversion

L4 ANSWER 6 OF 173 CAPLUS COPYRIGHT 2006 ACS on STN
TI Extractive nitrogenous constituents and their monthly variation of fresh laver Porphyra dentata

L4 ANSWER 7 OF 173 CAPLUS COPYRIGHT 2006 ACS on STN
TI Search of a topological pattern to evaluate toxicity of heterogeneous compounds

L4 ANSWER 8 OF 173 CAPLUS COPYRIGHT 2006 ACS on STN
TI Effect of restricted feeding before marketing on taste active components of broiler chickens

L4 ANSWER 9 OF 173 CAPLUS COPYRIGHT 2006 ACS on STN
TI Comparative biochemistry and short-term starvation effects on the earthworms Eisenia veneta and Lumbricus terrestris studied by 1H NMR spectroscopy and pattern recognition

L4 ANSWER 10 OF 173 CAPLUS COPYRIGHT 2006 ACS on STN
TI Difference of component changes in salt-fermented spring and autumn anchovy, Engraulis japonicus sauce during fermentation

L4 ANSWER 11 OF 173 CAPLUS COPYRIGHT 2006 ACS on STN
TI Seasonal variations of chemical constituents in the muscle and viscera of small abalone fed different diets

L4 ANSWER 12 OF 173 CAPLUS COPYRIGHT 2006 ACS on STN
TI Chemical Composition of Fish Sauces Produced in Southeast and East Asian Countries

L4 ANSWER 13 OF 173 CAPLUS COPYRIGHT 2006 ACS on STN
TI Chemical compositions and characteristics of Taiwan silkie and broiler meat

L4 ANSWER 14 OF 173 CAPLUS COPYRIGHT 2006 ACS on STN
TI Studies on chemical compositions and characteristics of Taiwan silkie and broiler meat

L4 ANSWER 15 OF 173 CAPLUS COPYRIGHT 2006 ACS on STN
TI Nitrogen metabolites and related enzymatic activities in the body fluids and tissues of the hydrothermal vent tubeworm Riftia pachyptila

L4 ANSWER 16 OF 173 CAPLUS COPYRIGHT 2006 ACS on STN
TI Changes in chemical constituents and physical indices during processing of dried-seasoned squid

L4 ANSWER 17 OF 173 CAPLUS COPYRIGHT 2006 ACS on STN

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TI   Differences in chemical composition between commercial and raw-shucked
     oyster

L4   ANSWER 18 OF 173  CAPLUS  COPYRIGHT 2006 ACS on STN
TI   Comparison of seasonal and regional variation in extractive nitrogenous
     constituents of the raw anchovy (Engraulis japonica)

L4   ANSWER 19 OF 173  CAPLUS  COPYRIGHT 2006 ACS on STN
TI   Changes of components in salt-fermented anchovy, Engraulis japonicus sauce
     during fermentation

L4   ANSWER 20 OF 173  CAPLUS  COPYRIGHT 2006 ACS on STN
TI   Quality characteristics of Southeast Asian salt-fermented fish sauces


=>

=> index bioscience
FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED
COST IN U.S. DOLLARS                                  SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       7.06      49.97

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE,
      AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS,
      CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB,
      DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 16:56:08 ON 29 NOV 2006

68 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view
search error messages that display as 0* with SET DETAIL OFF.

=> s inosine and arginine and amorphous
          1   FILE CAPLUS
          1   FILE IFIPAT
  39 FILES SEARCHED...
          1   FILE TOXCENTER
        293   FILE USPATFULL
         37   FILE USPAT2
          3   FILE WPIDS
          3   FILE WPINDEX

   7 FILES HAVE ONE OR MORE ANSWERS,    68 FILES SEARCHED IN STNINDEX

L16  QUE INOSINE AND ARGININE AND AMORPHOUS

=> s inosine and arginine and solubility
          2   FILE BIOSIS
          1   FILE BIOTECHABS
          1   FILE BIOTECHDS
          2   FILE CAPLUS
          1   FILE FSTA
          2   FILE IFIPAT
  41 FILES SEARCHED...
          1   FILE PROMT
       5206   FILE USPATFULL
        511   FILE USPAT2
          4   FILE WPIDS
          4   FILE WPINDEX

  11 FILES HAVE ONE OR MORE ANSWERS,    68 FILES SEARCHED IN STNINDEX

L17  QUE INOSINE AND ARGININE AND SOLUBILITY
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=> file biosis
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     2.44      52.41

FILE 'BIOSIS' ENTERED AT 16:58:35 ON 29 NOV 2006
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FILE COVERS 1969 TO DATE.
CAS REGISTRY NUMBERS AND CHEMICAL NAMES (CNs) PRESENT
FROM JANUARY 1969 TO DATE.

RECORDS LAST ADDED: 22 November 2006 (20061122/ED)


=> s inosine and arginine and solubility
         6070 INOSINE
        81688 ARGININE
        28625 SOLUBILITY
L18         2 INOSINE AND ARGININE AND SOLUBILITY

=> d l18 1-2 ti abs bib

L18  ANSWER 1 OF 2  BIOSIS  COPYRIGHT (c) 2006 The Thomson Corporation  on STN
TI   CHANGES IN NITROGEN COMPOUNDS OF FERMENTED SAUSAGE DURING RIPENING WITH
     LACTOBACILLUS-PLANTARUM.
AB   Changes of nitrogen compounds were investigated in fermented sausage
     during ripening.  Initial sausage mixes were inoculated with Lactobacillus
     plantarum and then fermented at 25°  C and 35°  C,
     respectively.  After the fermentation at 35°  C, the sausage were
     heated at 70°  C until an internal temperature of 63°  C was
     obtained.  The products were then placed in a 9°  C-drying room.
     With another batch of sausage, they were directly placed in an 18°
     C-drying room without heating after the fermentation at 25°  C.
     Those sausage were held in the drying room for 45 days. 1.  Myofibrillar
     and sarcoplasmic protein nitrogens decreased in solubility
     during ripening.  At the end of the ripening period, their
     solubility diminished to 96.6% and 99.2% of its initial value. 2.
     Free amino nitrogen (NH2-N), non protein nitrogen (NPN) and volatile basic
     nitrogen (VBN) increased considerably during ripening.  Their
     concentration was higher as ripening temperature increased. 3.  Total free
     amino acid increased during ripening.  Histidine was the predominant amino
     acid.  Only small amount of arginine and tyrosine was found.
     Cystine was not detected during ripening. 4.  Not so much changes occurred
     in ATP and AMP levels during ripening.  ADP level after fermentation was
     increased considerably more than its level of initial mix.  However, ADP
     level was increased at 18°  C while decreased at 9°  C with
     ripening period.  IMP and Inosine were rapidly degraded at the
     initial period of ripening.  Hypoxanthine was increased during ripening.
AN   1988:221027  BIOSIS <<LOGINID::20061129>>
DN   PREV198885110262; BA85:110262
TI   CHANGES IN NITROGEN COMPOUNDS OF FERMENTED SAUSAGE DURING RIPENING WITH
     LACTOBACILLUS-PLANTARUM.
AU   LEE S K [Reprint author]; SONG K W
CS   COLL AGRIC, SEOUL NATL UNIV, SEOUL, KOREA
SO   Korean Journal of Animal Science, (1987) Vol. 29, No. 10, pp. 455-461.
     CODEN: HGCHAG. ISSN: 0367-5807.
DT   Article
FS   BA
LA   KOREAN
ED   Entered STN: 4 May 1988
     Last Updated on STN: 4 May 1988
```

L18 ANSWER 2 OF 2 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN
TI SPECIFICITY OF INTERACTION OF ARGININE AND LYSINE WITH POLY NUCLEOTIDES AND THEIR COMPONENTS.
AB PMR was used to investigate the specificity of interaction of arginine and lysine with [calf thymus] DNA and the polynucleotides poly (G), poly (I), poly (A), poly (C), poly (U) and an interaction of histones F1 and F2a1 with poly (I). In all cases complexes of arginine are more stable and more specific than those of lysine. The interaction of arginine with polynucleotides decreases in the following order: G > I > C ≥ A > U. Changes in the solubility of the purine nucleosides adenosine, guanosine and inosine and the pyrimidine bases thymine and cytosine in the presence of glycine, arginine and lysine were studied. The apparent association constants for the complex formation were calculated. In addition to specific H-bonds between the arginine guanidine group and the 0-6, N-7 of guanine and inosine or the 0-2, N-3 of cytosine, the formation of specific H-bonds probably takes place between the carboxyl group of the amino acid and the H-N1, H-N2 guanine groups.
AN 1976:170387 BIOSIS <<LOGINID::20061129>>
DN PREV197662000387; BA62:387
TI SPECIFICITY OF INTERACTION OF ARGININE AND LYSINE WITH POLY NUCLEOTIDES AND THEIR COMPONENTS.
AU BRUSKOV V I; BUSHUEV V N
SO Bioorganicheskaya Khimiya, (1975) Vol. 1, No. 11, pp. 1606-1615. CODEN: BIKHD7. ISSN: 0132-3423.
DT Article
FS BA
LA Unavailable

=> s inosine and arginine and equimolar
6070 INOSINE
81688 ARGININE
9542 EQUIMOLAR
L19 0 INOSINE AND ARGININE AND EQUIMOLAR

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	7.01	59.42

FILE 'CAPLUS' ENTERED AT 17:00:17 ON 29 NOV 2006
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FILE COVERS 1907 - 29 Nov 2006 VOL 145 ISS 23
FILE LAST UPDATED: 27 Nov 2006 (20061127/ED)

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http://www.cas.org/infopolicy.html

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=> s l4 and complex
       1295144 COMPLEX
L20           5 L4 AND COMPLEX

=> d l20 1-5 ti

L20  ANSWER 1 OF 5  CAPLUS  COPYRIGHT 2006 ACS on STN
TI   Evaluation of Temperature Effects on Selectivity in RPLC Separations Using
     Polybutadiene-Coated Zirconia

L20  ANSWER 2 OF 5  CAPLUS  COPYRIGHT 2006 ACS on STN
TI   Endurance and rehydration composition for humans.

L20  ANSWER 3 OF 5  CAPLUS  COPYRIGHT 2006 ACS on STN
TI   Electrophysiological identification of the stimulatory and interactive
     components of a complex odorant

L20  ANSWER 4 OF 5  CAPLUS  COPYRIGHT 2006 ACS on STN
TI   Specificity of interaction of nucleic acid bases with hydrogen bond
     forming amino acids

L20  ANSWER 5 OF 5  CAPLUS  COPYRIGHT 2006 ACS on STN
TI   Germination of conidia of Peronospora tabacina. I. Germination in vitro


=> d l20 1-5 ti abs bib

L20  ANSWER 1 OF 5  CAPLUS  COPYRIGHT 2006 ACS on STN
TI   Evaluation of Temperature Effects on Selectivity in RPLC Separations Using
     Polybutadiene-Coated Zirconia
AB   The effect of temperature on selectivity in RPLC method development was
     evaluated on polybutadiene-coated zirconia.  The influence of temperature on
     selectivity depends strongly on solute type.  For solutes of similar
     structure such as polyarom. hydrocarbons, temperature has almost no effect on
     selectivity; however, for solutes with very different functional groups
     such as chlorophenols, temperature changes did significantly affect
selectivity.
     The authors feel that simple mixts. with one dominant retention
     mechanism,e.g. solvophobic retention, will not find much help in improving
     selectivity by adjusting temperature  However, in complex mixts. with
     polar and ionizable solutes, they may well find some help in optimization
     by varying the temperature
AN   1997:283856  CAPLUS <<LOGINID::20061129>>
DN   127:28387
TI   Evaluation of Temperature Effects on Selectivity in RPLC Separations Using
     Polybutadiene-Coated Zirconia
AU   Li, Jianwei; Carr, Peter W.
CS   Department of Chemistry, University of Minnesota, Minneapolis, MN, 55455,
     USA
SO   Analytical Chemistry (1997), 69(11), 2202-2206
     CODEN: ANCHAM; ISSN: 0003-2700
PB   American Chemical Society
DT   Journal
LA   English
RE.CNT  28    THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD
              ALL CITATIONS AVAILABLE IN THE RE FORMAT

L20  ANSWER 2 OF 5  CAPLUS  COPYRIGHT 2006 ACS on STN
TI   Endurance and rehydration composition for humans.
AB   A composition which provides for rehydration and endurance in persons having
     symptoms of physiol. stress comprises a blend of simple sugars and more
     complex carbohydrates and, at least Mg, in the form of an amino
     acid chelate.  Preferably the carbohydrate source is a blend of crystalline
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fructose and glucose polymers in a weight ratio 4:1-1:4. Other ingredients, including anabolic nutrients, vitamins, electrolyte ions (e.g. K, Na, Cl), and other minerals, such as Ca amino acid chelate, may be added. When administered, the carbohydrate blend and amino acid chelates facilitate rehydration and the delivery of nutrients and calorie energy to appropriate sites within the body for efficient utilization.

AN 1994:162493 CAPLUS <<LOGINID::20061129>>
DN 120:162493
TI Endurance and rehydration composition for humans.
IN Paul, Stephen M.; Ashmead, DeWayne H.
PA Metagenics, Inc., USA
SO U.S., 7 pp.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5270297	A	19931214	US 1992-919355	19920723
	WO 9402031	A1	19940203	WO 1993-US3533	19930414
	W: AU, BB, BG, BR, CA, FI, HU, JP, KP, KR, LK, MG, NL, NO, NZ, PL, RO, RU, SE, UA				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	AU 9342864	A1	19940214	AU 1993-42864	19930414
	AU 687003	B2	19980219		
	EP 651615	A1	19950510	EP 1993-912250	19930414
	EP 651615	B1	19970917		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
	AT 158148	E	19971015	AT 1993-912250	19930414
PRAI	US 1992-919355	A	19920723		
	WO 1993-US3533	W	19930414		

L20 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN
TI Electrophysiological identification of the stimulatory and interactive components of a complex odorant
AB The olfactory system of the spiny lobster, Panulirus argus, was studied to understand how chemical mixts. are coded. By monitoring the activity of high-order interneurons which carry olfactory information out of the brain, the components of a natural food of lobsters were identified which contribute to the activity of the mixture by being either stimulatory by themselves or interactive (suppressive or synergistic) with other components in the mixture The results demonstrate that virtually all of the activity of this complex odorant resides in 15 stimulatory and suppressive components, and that mixture suppression is a prevalent feature of chemosensory processing in the olfactory pathway of the spiny lobster.
AN 1984:588535 CAPLUS <<LOGINID::20061129>>
DN 101:188535
TI Electrophysiological identification of the stimulatory and interactive components of a complex odorant
AU Derby, Charles D.; Ache, Barry W.
CS C. V. Whitney Lab., Univ. Florida, St. Augustine, FL, 32086, USA
SO Chemical Senses (1984), 9(3), 201-18
CODEN: CHSED8; ISSN: 0379-864X
DT Journal
LA English

L20 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN
TI Specificity of interaction of nucleic acid bases with hydrogen bond forming amino acids
AB The determination of apparent equilibrium consts. of association of purine nucleosides and
pyrimidine bases with various types of amino acids by the increase in solubility on complex formation showed that there is specific complexing of charged carboxyl groups of amino acids with guanosine, and

that, in addition to carbonyl groups, guanidino and amide groups of amino acids apparently participate in recognition of nucleic acid bases. Specific H-bonds are formed between the guanidino group of arginine and O-6 and N-7 atoms of guanine and O-2 and N-3 of cytosine. The amino acid portion of the mol. as well as the side-chain portion interact with the bases, as shown by expts. with glycine and sarcosine.
AN 1978:46616 CAPLUS <<LOGINID::20061129>>
DN 88:46616
TI Specificity of interaction of nucleic acid bases with hydrogen bond forming amino acids
AU Bruskov, V. I.
CS Inst. Biol. Phys., Pushchino, USSR
SO Studia Biophysica (1978), 67, 43-4
CODEN: STBIBN; ISSN: 0081-6337
DT Journal
LA English

L20 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN
TI Germination of conidia of Peronospora tabacina. I. Germination in vitro
AB Washed conidia germinated poorly or not at all in H2O, but germinated in presence of riboflavine. Rate of germination in liquid suspension was enhanced by C and N sources, phosphate, Ca++, and Mg++. The effects of 141 metabolites on germination and germ-tube elongation were tested. Some analogs of purines and pyrimidines were inhibitory. Washing by centrifugation increased % germination, and presence of germination inhibitor in unwashed conidia is postulated. The optimum temperature for germination was in range 15-20°. The pH optimum was in range 5.5-8.0 on 2% agar and 6.5-8.0 in liquid suspension.
AN 1962:471290 CAPLUS <<LOGINID::20061129>>
DN 57:71290
OREF 57:14218e-f
TI Germination of conidia of Peronospora tabacina. I. Germination in vitro
AU Shepherd, C. J.
CS Div. Plant Ind., C.S.I.R.O., Canberra
SO Australian Journal of Biological Sciences (1962), 15, 483-508
CODEN: AJBSAM; ISSN: 0004-9417
DT Journal
LA Unavailable

=> sel l10 rn
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An answer set can be processed to create terms only
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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	19.14	78.56

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CA SUBSCRIBER PRICE	-3.75	-3.75

FILE 'USPATFULL' ENTERED AT 17:02:49 ON 29 NOV 2006
CA INDEXING COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 28 Nov 2006 (20061128/PD)
FILE LAST UPDATED: 28 Nov 2006 (20061128/ED)
HIGHEST GRANTED PATENT NUMBER: US7143445
HIGHEST APPLICATION PUBLICATION NUMBER: US2006265800
CA INDEXING IS CURRENT THROUGH 28 Nov 2006 (20061128/UPCA)
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 28 Nov 2006 (20061128/PD)

REVISED CLASS FIELDS (/NCL) LAST RELOADED: Jun 2006
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Jun 2006

=> sel l10 rn
E1 THROUGH E3 ASSIGNED

=> d E1-E3
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accession number formats in the current file.

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	1.51	80.07

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-3.75

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DICTIONARY FILE UPDATES: 27 NOV 2006 HIGHEST RN 914071-04-8

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experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=> s E1-E3
1 503059-87-8/RN
1 58-63-9/RN
1 74-79-3/RN
L21 3 (503059-87-8/RN OR 58-63-9/RN OR 74-79-3/RN)

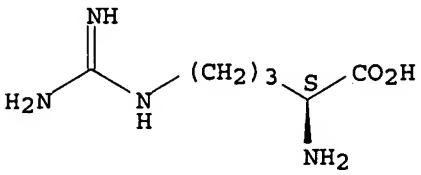
=> d l21 1-3

L21 ANSWER 1 OF 3 REGISTRY COPYRIGHT 2006 ACS on STN
RN 503059-87-8 REGISTRY
ED Entered STN: 15 Apr 2003
CN L-Arginine, compd. with inosine (1:1) (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C10 H12 N4 O5 . C6 H14 N4 O2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

CM 1

CRN 74-79-3
CMF C6 H14 N4 O2

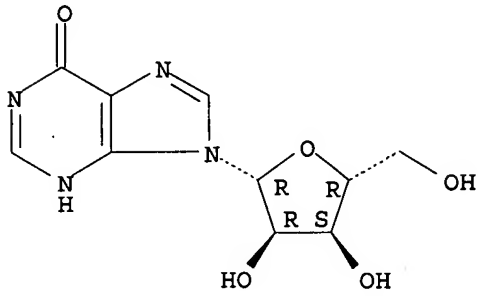
Absolute stereochemistry.



CM 2

CRN 58-63-9
CMF C10 H12 N4 O5

Absolute stereochemistry.

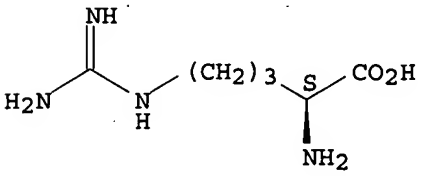


1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L21 ANSWER 2 OF 3 REGISTRY COPYRIGHT 2006 ACS on STN
RN 74-79-3 REGISTRY
ED Entered STN: 16 Nov 1984
CN L-Arginine (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Arginine, L- (8CI)
OTHER NAMES:
CN (S)-2-Amino-5-[(aminoiminomethyl)amino]pentanoic acid
CN Arginine
CN L-(+)-Arginine
CN L-α-Amino-δ-guanidinovaleric acid
CN L-Arg
CN L-Norvaline, 5-[(aminoiminomethyl)amino]-
CN L-Ornithine, N5-(aminoiminomethyl)-
CN NSC 206269
CN Pentanoic acid, 2-amino-5-[(aminoiminomethyl)amino]-, (S)-
FS STEREOSEARCH
DR 667422-95-9, 7004-12-8, 142-49-4
MF C6 H14 N4 O2
CI COM
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOSIS, BIOTECHNO, CA, CABA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS,

CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DRUGU,
EMBASE, GMELIN*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*,
MSDS-OHS, NAPRALERT, PATDPASPC, PHAR, PIRA, PROMT, PS, RTECS*, SPECINFO,
SYNTHLINE, TOXCENTER, TULSA, USAN, USPAT2, USPATFULL, VETU
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**, WHO
(**Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry.

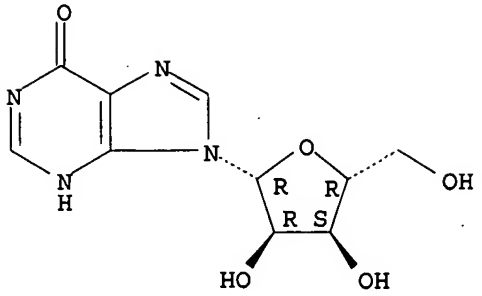


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

45277 REFERENCES IN FILE CA (1907 TO DATE)
1307 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
45378 REFERENCES IN FILE CAPLUS (1907 TO DATE)
6 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L21 ANSWER 3 OF 3 REGISTRY COPYRIGHT 2006 ACS on STN
RN 58-63-9 REGISTRY
ED Entered STN: 16 Nov 1984
CN Inosine (8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN 1,9-Dihydro-9-β-D-ribofuranosyl-6H-purin-6-one
CN 6H-Purin-6-one, 1,9-dihydro-9-β-D-ribofuranosyl-
CN 9-β-D-Ribofuranosylhypoxanthine
CN Atorel
CN HXR
CN Hypoxanthine 9-β-D-ribofuranoside
CN Hypoxanthine ribonucleoside
CN Hypoxanthine riboside
CN Hypoxanthine, 9-β-D-ribofuranosyl-
CN Hypoxanthosine
CN Ino
CN Inosie
CN NSC 20262
CN Oxiamin
CN Panholic-L
CN Ribonosine
CN Selfer
CN Trophicardyl
FS STEREOSEARCH
DR 691344-25-9, 740029-83-8, 12712-98-0, 132953-54-9, 4181-51-5, 28861-88-3, 292853-81-7
MF C10 H12 N4 O5
CI COM
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOSIS, BIOTECHNO, CA, CABA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, DDFU, DETHERM*, DRUGU, EMBASE, GMELIN*, IFICDB, IFIPAT, IFIUDB, IMSDRUGNEWS, IMSRESEARCH, IPA, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, PIRA, PROMT, RTECS*, SCISEARCH, SPECINFO, SYNTHLINE, TOXCENTER, USAN, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**, WHO
(**Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

6147 REFERENCES IN FILE CA (1907 TO DATE)
195 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
6156 REFERENCES IN FILE CAPLUS (1907 TO DATE)
86 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	6.14	86.21

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-3.75

FILE 'CAPLUS' ENTERED AT 17:03:36 ON 29 NOV 2006
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FILE COVERS 1907 - 29 Nov 2006 VOL 145 ISS 23
FILE LAST UPDATED: 27 Nov 2006 (20061127/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

http://www.cas.org/infopolicy.html

=> s l21 1
MISSING OPERATOR L21 1
The search profile that was entered contains terms or nested terms that are not separated by a logical operator.

```
=> file registry
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         0.46      86.67

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)              SINCE FILE      TOTAL
                                                           ENTRY    SESSION
CA SUBSCRIBER PRICE                                         0.00      -3.75

FILE 'REGISTRY' ENTERED AT 17:03:46 ON 29 NOV 2006
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:   27 NOV 2006  HIGHEST RN 914071-04-8
DICTIONARY FILE UPDATES:  27 NOV 2006  HIGHEST RN 914071-04-8

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=> ssel l21 1
SSEL IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> sel l21 1
E4 THROUGH E4 ASSIGNED

=> file caplus
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         0.77      87.44

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)              SINCE FILE      TOTAL
                                                           ENTRY    SESSION
CA SUBSCRIBER PRICE                                         0.00      -3.75

FILE 'CAPLUS' ENTERED AT 17:04:02 ON 29 NOV 2006
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FILE COVERS 1907 - 29 Nov 2006 VOL 145 ISS 23
FILE LAST UPDATED: 27 Nov 2006 (20061127/ED)

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=> s E4
L22 1 503059-87-8/BI

=> d l22

L22 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2003:257896 CAPLUS <<LOGINID::20061129>>
DN 138:250168
TI Inosine arginine salt for cell activity-stimulating agent and plant growth promoter
IN Kurauchi, Masahiko; Miyazawa, Yoshinori; Sato, Hiroyuki
PA Ajinomoto Co., Inc., Japan
SO Jpn. Kokai Tokkyo Koho, 9 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2003096090	A2	20030403	JP 2001-297011	20010927
	WO 2003029265	A1	20030410	WO 2002-JP9184	20020910
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	CN 1547585	A	20041117	CN 2002-816591	20020910
	US 2004192553	A1	20040930	US 2004-808536	20040325
PRAI	JP 2001-297011	A	20010927		
	WO 2002-JP9184	A1	20020910		

=> file uspatfull

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	3.55	90.99

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-3.75

FILE 'USPATFULL' ENTERED AT 17:04:27 ON 29 NOV 2006
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FILE COVERS 1971 TO PATENT PUBLICATION DATE: 28 Nov 2006 (20061128/PD)
FILE LAST UPDATED: 28 Nov 2006 (20061128/ED)
HIGHEST GRANTED PATENT NUMBER: US7143445

HIGHEST APPLICATION PUBLICATION NUMBER: US2006265800
CA INDEXING IS CURRENT THROUGH 28 Nov 2006 (20061128/UPCA)
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 28 Nov 2006 (20061128/PD)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Jun 2006
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Jun 2006

=> s E4
L23 0 503059-87-8/BI